



G-MAX TEST REPORT

CLIENTS:

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Department of General Services
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REPORT NUMBER

2019

Date 06-26-2019

DESCRIPTION

An independent analysis of synthetic turf relative to G-max was requested by the client. The Test was performed by a Licensed Professional Engineer at the below referenced location with ASTM certified and calibrated equipment via Triax "A" Missile SN30-9887 1683. The Test Methods are as follows;

Method A - ASTM F 355, Test Method for Shock-Absorbing Properties of Playing Surface Systems and Materials.

ASTM F 1936-10, *Standard Specification for Shock-Absorbing Properties of North American Football Field Playing Systems as Measured on the Field, (G-max)*

The particulars of this on-site analysis are described below. A passing Gmax value only indicates the field is in compliance with ASTM F1936-10 and does not exclude the field from needing necessary repairs or maintenance to assure a safe playing surface.

TEST INFORMATION

Project Name – Deanwood Recreation – Softball Field

Site address - 1350 49th Street NE, Washington, DC

Test Type - Onsite G-max Test - 10 Locations

Field Type - Softball (Sand/Rubber)

Test Date - 06-26-2019

Time of Test - 12:00pm

Weather - Sun 90°F

Installation Date - 2010

Field Temp - 116°F Average

TEST RESULTS

The following test results indicate G-max values for ten individual locations with three separate tests performed at each location. A table has been provided indicating the values associated with each test and a location map showing the ten individual tests at designated and described locations. ***The test results reported herein reflects the conditions of the tested field at the time and temperatures noted.***

TEST CONCLUSION

The Synthetic Turf Athletic Softball Field at Deanwood Recreation Center as characterized above and in the following report has been verified to be **out of compliance** for shock attenuation and **does not meet the requirements** for play based on the specifications as referenced in ASTM F1936-10 with locations above the maximum allowable limit of 200.

**Deanwood Recreation - Softball Field
Overall G-max = 167**

APPROVED BY - RYAN TEETER, P.E. - LDD Sports

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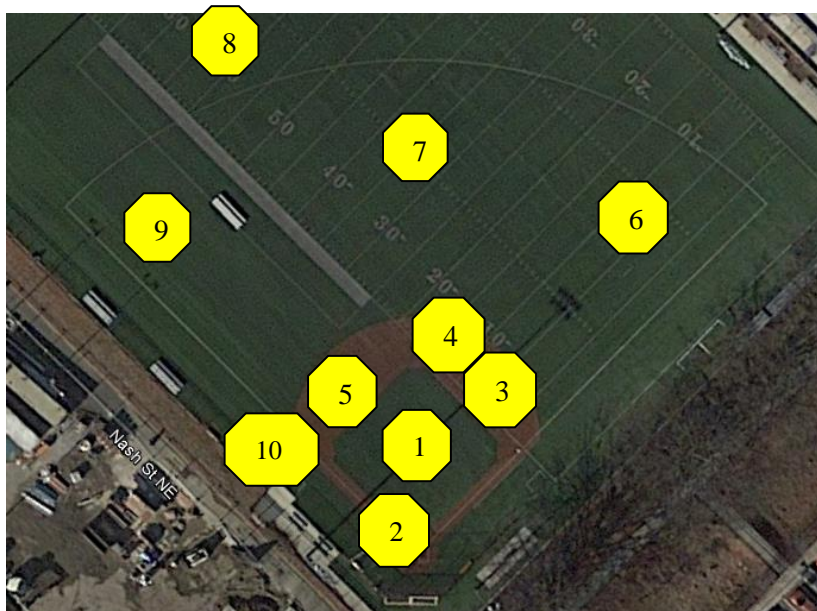
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Deanwood Recreation - Softball Field									
G-max Values - 06.26.2019									
Test Location	Drop 1		Drop 2		Drop 3		Gmax Average	Infill Depth (mm)	Field Temp (°F)
	Gmax	HIC	Gmax	HIC	Gmax	HIC			
1	242	761	262	902	273	939	267.50	12	116
2	204	701	221	800	225	820	223.00	18	116
3	178	590	183	613	180	600	181.50	28	116
4	180	596	173	545	173	531	173.00	26	116
5	164	479	15	495	165	537	90.00	29	116
6	133	418	140	450	141	453	140.50	43	116
7	128	376	139	428	141	436	140.00	40	116
8	132	395	144	455	145	458	144.50	43	116
9	139	418	152	480	153	479	152.50	40	116
10	140	444	155	524	156	527	155.50	43	116
							167	Overall Average G-max	

Location	Specific Location Description
1	5ft in front of pitching mound
2	Home plate right hand batters box
3	3ft off 1st base towards 2nd base
4	3ft off 2nd base toward 1st base
5	3ft off 3rd base towards 2nd base
6	Right Field
7	Center Field
8	Left Outfield Area
9	Left Field Foul Line
10	South Entrance to Field by Gate





G-MAX TEST REPORT



Location #1



Location #2



Location #3



Location #4



Location #5



Location #6



Location #7



Location #8



Location #9



Location #10